



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/787,378

DATE: 09/01/2004

TIME: 11:53:42

Input Set : N:\Crf3\RULE60\10787378.raw
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1 <110> APPLICANT: LEUNG, Shui-on
 2 HANSEN, Hans
 3 QU, Zhengxing
 4 <120> TITLE OF INVENTION: GLYCOSYLATED HUMANIZED B-CELL SPECIFIC ANTIBODIES
 5 <130> FILE REFERENCE: 018733/1049
 6 <140> CURRENT APPLICATION NUMBER: US/10/787,378
 7 <141> CURRENT FILING DATE: 2004-02-27
 8 <150> PRIOR APPLICATION NUMBER: US/09/894,839
 9 <151> PRIOR FILING DATE: 2001-06-29
 10 <150> PRIOR APPLICATION NUMBER: US 09/155,107
 11 <151> PRIOR FILING DATE: 1998-11-17
 12 <150> PRIOR APPLICATION NUMBER: US 60/013,709
 13 <151> PRIOR FILING DATE: 1996-03-20
 14 <160> NUMBER OF SEQ ID NOS: 47
 15 <170> SOFTWARE: PatentIn version 3.1
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 339
 19 <212> TYPE: DNA
 20 <213> ORGANISM: Murinae gen. sp.
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 22 <221> NAME/KEY: CDS
 23 <222> LOCATION: (1)..(339)
 24 <223> OTHER INFORMATION:
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 27 Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ala Val Ser Ala Gly
 28 1 5 10 15
 29 gaa aac gtc act atg agc tgt aag tcc agt caa agt gtt tta tac agt 96
 30 Glu Asn Val Thr Met Ser Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser
 31 20 25 30
 32 gca aat cac aag aac tac ttg gcc tgg tac cag cag aaa cca ggg cag 144
 33 Ala Asn His Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
 34 35 40 45
 35 tct cct aaa ctg ctg atc tac tgg gca tcc act agg gaa tct ggt gtc 192
 36 Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
 37 50 55 60
 38 cct gat cgc ttc aca ggc agc gga tct ggg aca gat ttt act ctt acc 240
 39 Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
 40 65 70 75 80
 41 atc agc aga gta caa gtt gaa gac ctg gca att tat tat tgt cac caa 288
 42 Ile Ser Arg Val Gln Val Glu Asp Leu Ala Ile Tyr Tyr Cys His Gln
 43 85 90 95
 44 tac ctc tcc tcg tgg acg ttc ggt gga ggg acc aag ctg gag atc aaa 336

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45 Tyr Leu Ser Ser Trp Thr Phe Gly Gly Thr Lys Leu Glu Ile Lys
46 100 105 110
47 cgt 339
48 Arg
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51 <211> LENGTH: 113
52 <212> TYPE: PRT
53 <213> ORGANISM: Murinae gen. sp.
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55 1 5 10 15
56 Glu Asn Val Thr Met Ser Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser
57 20 25 30
58 Ala Asn His Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
59 35 40 45
60 Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
61 50 55 60
62 Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
63 65 70 75 80
64 Ile Ser Arg Val Gln Val Glu Asp Leu Ala Ile Tyr Tyr Cys His Gln
65 85 90 95
66 Tyr Leu Ser Ser Trp Thr Phe Gly Gly Thr Lys Leu Glu Ile Lys
67 100 105 110
68 Arg
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73 <212> TYPE: DNA
74 <213> ORGANISM: Murinae gen. sp.
75 <220> FEATURE:
76 <221> NAME/KEY: CDS
77 <222> LOCATION: (1)..(348)
78 <223> OTHER INFORMATION:
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80 cag gtc cag ctg cag gag tca ggg gct gaa ctg tca aaa cct ggg gcc 48
81 Gln Val Gln Leu Gln Glu Ser Gly Ala Glu Leu Ser Lys Pro Gly Ala
82 1 5 10 15
83 tca gtg aag atg tcc tgc aag gct tct ggc tac acc ttt act agc tac 96
84 Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
85 20 25 30
86 tgg ctg cac tgg ata aaa cag agg cct gga cag ggt ctg gaa tgg att 144
87 Trp Leu His Trp Ile Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile
88 35 40 45
89 gga tac att aat cct agg aat gat tat act gag tac aat cag aac ttc 192
90 Gly Tyr Ile Asn Pro Arg Asn Asp Tyr Thr Glu Tyr Asn Gln Asn Phe
91 50 55 60
92 aag gac aag gcc aca ttg act gca gac aaa tcc tcc agc aca gcc tac 240
93 Lys Asp Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser Thr Ala Tyr
94 65 70 75 80
95 atg caa ctg agc agc ctg aca tct gag gac tct gca gtc tat tac tgt 288

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96 Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
97 85 90 95
98 gca aga agg gat att act acg ttc tac tgg ggc caa ggc acc act ctc 336
99 Ala Arg Arg Asp Ile Thr Thr Phe Tyr Trp Gly Gln Gly Thr Thr Leu
100 100 105 110
101 aca gtc tcc tcg 348
102 Thr Val Ser Ser
103 115
105 <210> SEQ ID NO: 4
106 <211> LENGTH: 116
107 <212> TYPE: PRT
108 <213> ORGANISM: Murinae gen. sp.
109 <400> SEQUENCE: 4
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112 Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
113 20 25 30
114 Trp Leu His Trp Ile Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile
115 35 40 45
116 Gly Tyr Ile Asn Pro Arg Asn Asp Tyr Thr Glu Tyr Asn Gln Asn Phe
117 50 55 60
118 Lys Asp Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser Thr Ala Tyr
119 65 70 75 80
120 Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
121 85 90 95
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133 <222> LOCATION: (1)..(339)
134 <223> OTHER INFORMATION:
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137 Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
138 1 5 10 15
139 gat agg gtc act atg agc tgt aag tcc agt caa agt gtt tta tac agt 96
140 Asp Arg Val Thr Met Ser Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser
141 20 25 30
142 gca aat cac aag aac tac ttg gcc tgg tac cag cag aaa cca ggg aaa 144
143 Ala Asn His Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys
144 35 40 45
145 gca cct aaa ctg ctg atc tac tgg gca tcc act agg gaa tct ggt gtc 192
146 Ala Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val

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Input Set : N:\Crf3\RULE60\10787378.raw

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147	50	55	60	
148	cct tcg cga ttc tct ggc agc gga tct ggg aca gat ttt act ttc acc			240
149	Pro Ser Arg Phe Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr			
150	65	70	75	80
151	atc agc tct ctt caa cca gaa gac att gca aca tat tat tgt cac caa			288
152	Ile Ser Ser Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys His Gln			
153	85	90	95	
154	tac ctc tcc tcg tgg acg ttc ggt gga ggg acc aag gtg cag atc aaa			336
155	Tyr Leu Ser Ser Trp Thr Phe Gly Gly Thr Lys Val Gln Ile Lys			
156	100	105	110	
157	cgt			339
158	Arg			
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161 <211>	LENGTH: 113			
162 <212>	TYPE: PRT			
163 <213>	ORGANISM: Homo sapiens			
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165	Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly			
166	1	5	10	15
167	Asp Arg Val Thr Met Ser Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser			
168	20	25	30	
169	Ala Asn His Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys			
170	35	40	45	
171	Ala Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val			
172	50	55	60	
173	Pro Ser Arg Phe Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr			
174	65	70	75	80
175	Ile Ser Ser Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys His Gln			
176	85	90	95	
177	Tyr Leu Ser Ser Trp Thr Phe Gly Gly Thr Lys Val Gln Ile Lys			
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179	Arg			
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182 <211>	LENGTH: 348			
183 <212>	TYPE: DNA			
184 <213>	ORGANISM: Homo sapiens			
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186 <221>	NAME/KEY: CDS			
187 <222>	LOCATION: (1)..(348)			
188 <223>	OTHER INFORMATION:			
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190	cag gtc cag ctg gtc caa tca ggg gct gaa gtc aag aaa cct ggg tca			48
191	Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser			
192	1	5	10	15
193	tca gtg aag gtc tcc tgc aag gct tct ggc tac acc ttt act agc tac			96
194	Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr			
195	20	25	30	
196	tgg ctg cac tgg gtc agg cag gca cct gga cag ggt ctg gaa tgg att			144
197	Trp Leu His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Ile			

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Input Set : N:\Crf3\RULE60\10787378.raw
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198	35	40	45	
199	gga tac att aat cct agg aat gat tat act gag tac aat cag aac ttc			192
200	Gly Tyr Ile Asn Pro Arg Asn Asp Tyr Thr Glu Tyr Asn Gln Asn Phe			
201	50 55 60			
202	aag gac aag gcc aca ata act gca gac gaa tcc acc aat aca gcc tac			240
203	Lys Asp Lys Ala Thr Ile Thr Ala Asp Glu Ser Thr Asn Thr Ala Tyr			
204	65 70 75 80			
205	atg gag ctg agc agc ctg agg tct gag gac acg gca ttt tat ttt tgt			288
206	Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Phe Tyr Phe Cys			
207	85 90 95			
208	gca aga agg gat att act acg ttc tac tgg ggc caa ggc acc acg gtc			336
209	Ala Arg Arg Asp Ile Thr Thr Phe Tyr Trp Gly Gln Gly Thr Thr Val			
210	100 105 110			
211	acc gtc tcc tcg			348
212	Thr Val Ser Ser			
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216 <211>	LENGTH: 116			
217 <212>	TYPE: PRT			
218 <213>	ORGANISM: Homo sapiens			
219 <400>	SEQUENCE: 8			
220	Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser			
221	1 5 10 15			
222	Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr			
223	20 25 30			
224	Trp Leu His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Ile			
225	35 40 45			
226	Gly Tyr Ile Asn Pro Arg Asn Asp Tyr Thr Glu Tyr Asn Gln Asn Phe			
227	50 55 60			
228	Lys Asp Lys Ala Thr Ile Thr Ala Asp Glu Ser Thr Asn Thr Ala Tyr			
229	65 70 75 80			
230	Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Phe Tyr Phe Cys			
231	85 90 95			
232	Ala Arg Arg Asp Ile Thr Thr Phe Tyr Trp Gly Gln Gly Thr Thr Val			
233	100 105 110			
234	Thr Val Ser Ser			
235	115			
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238 <211>	LENGTH: 49			
239 <212>	TYPE: PRT			
240 <213>	ORGANISM: Homo sapiens			
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243	1 5 10 15			
244	Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu			
245	20 25 30			
246	Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr			
247	35 40 45			
248	Ile			

VERIFICATION SUMMARY

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TIME: 11:53:43

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Output Set: N:\CRF4\09012004\J787378.raw

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L:79 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:0
L:135 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:0
L:189 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:0